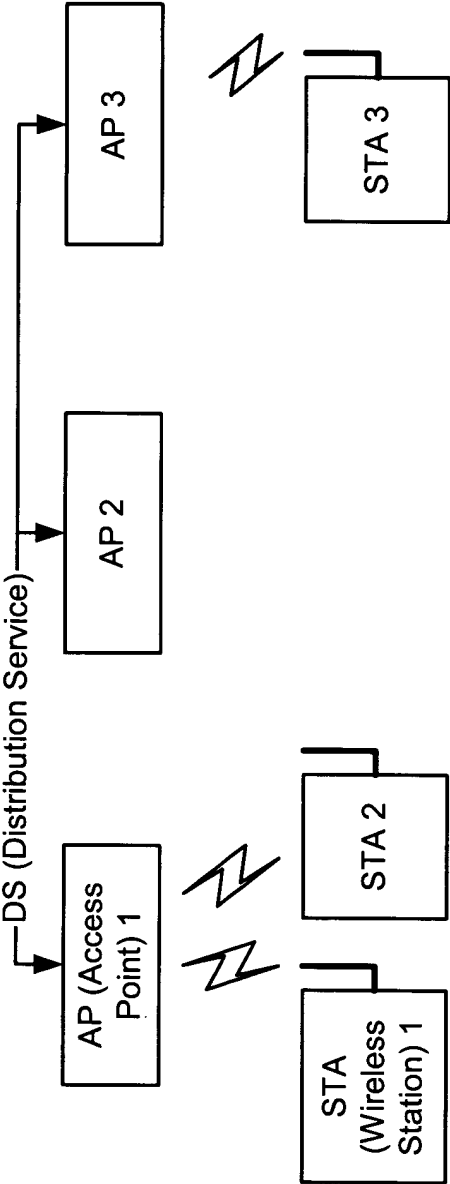


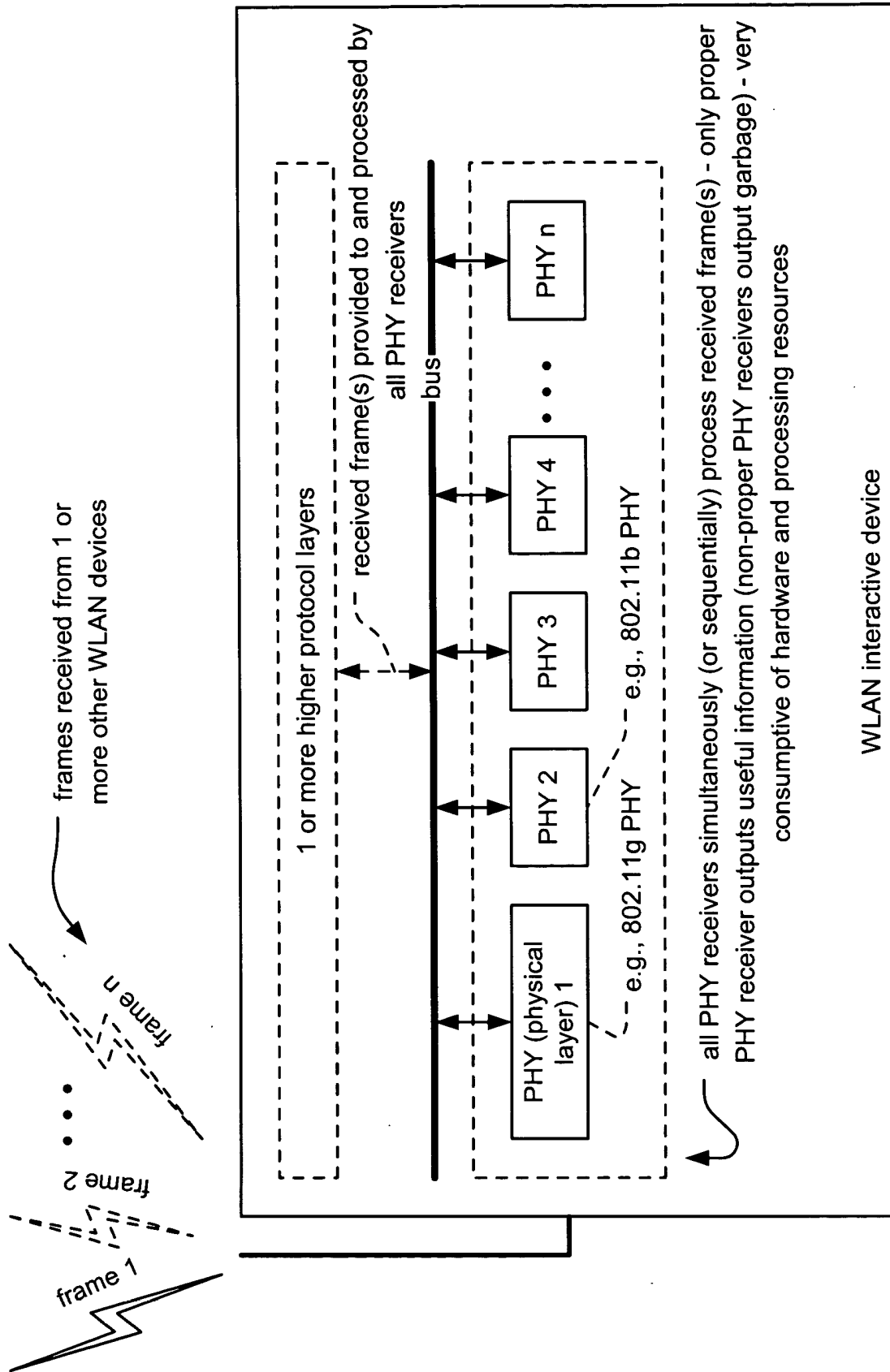
ad hoc WLAN (Wireless Local Area Network) communication system

Fig. 1A (prior art)



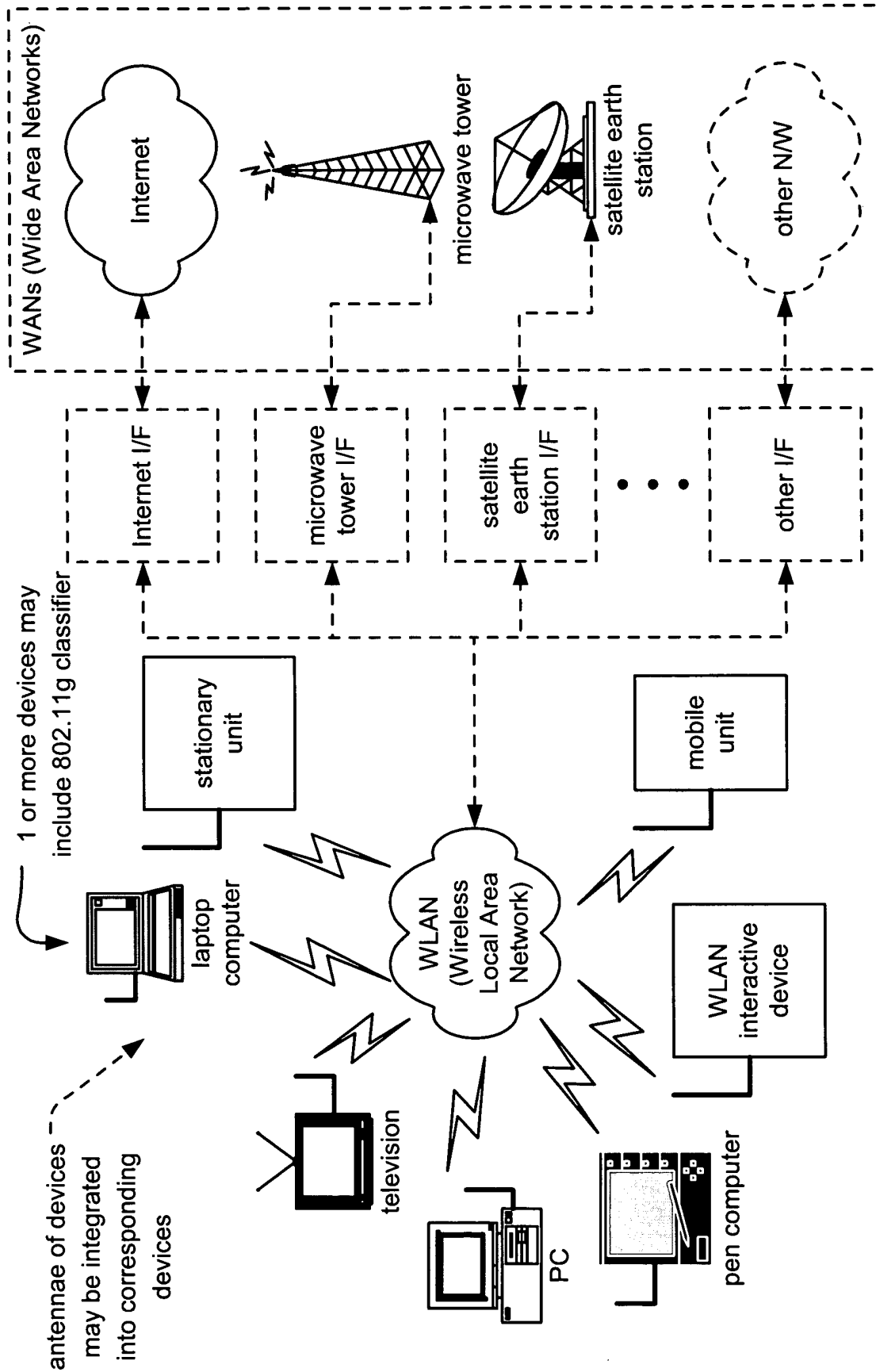
infrastructure / multiple AP (Access Point) WLAN (Wireless Local Area Network) communication system

Fig. 1B (prior art)



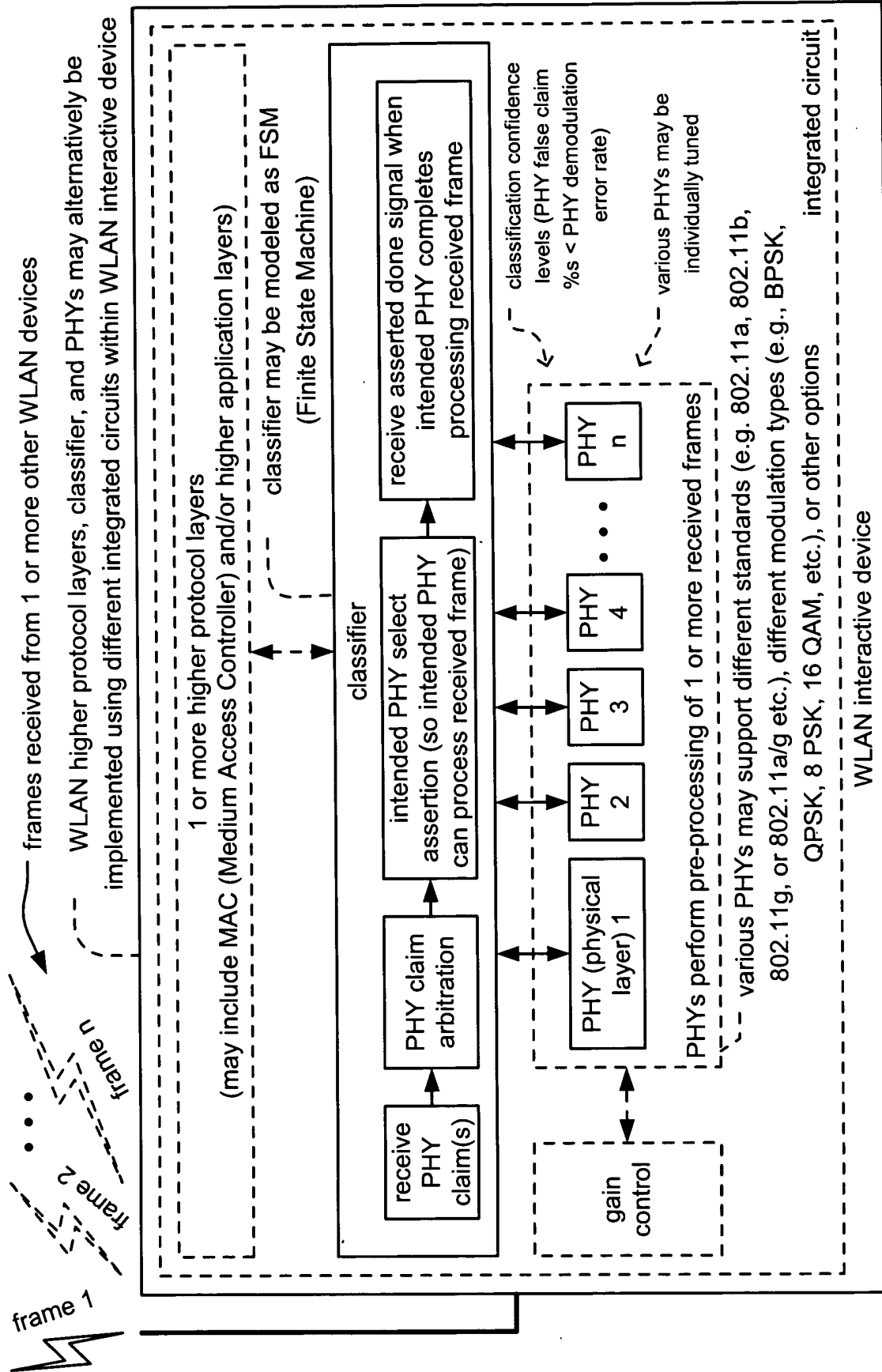
WLAN (Wireless Local Area Network) interactive device having parallel operating PHY (physical layer) receivers

Fig. 2 (prior art)



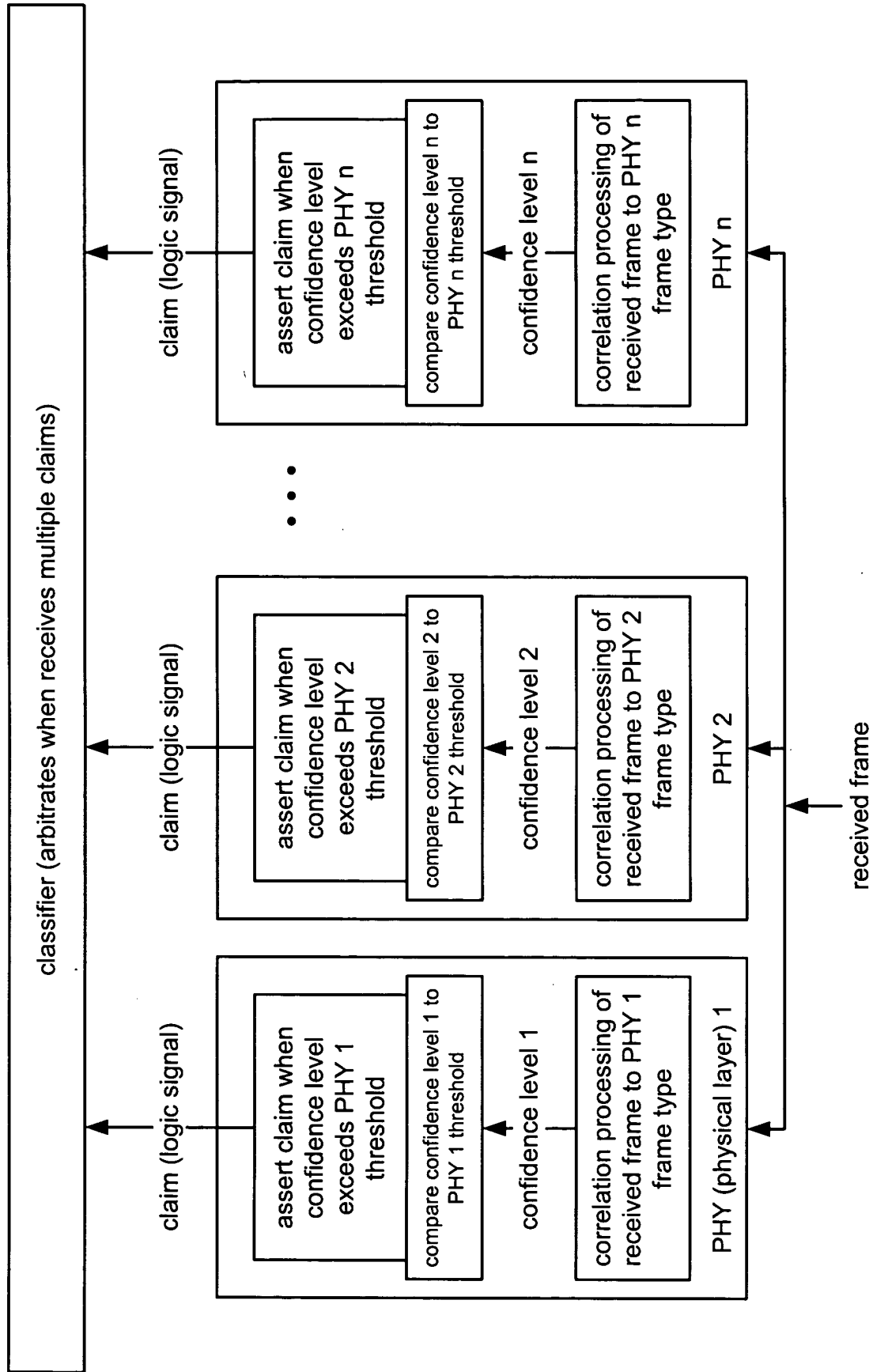
WLAN (Wireless Local Area Network) communication system

Fig. 3

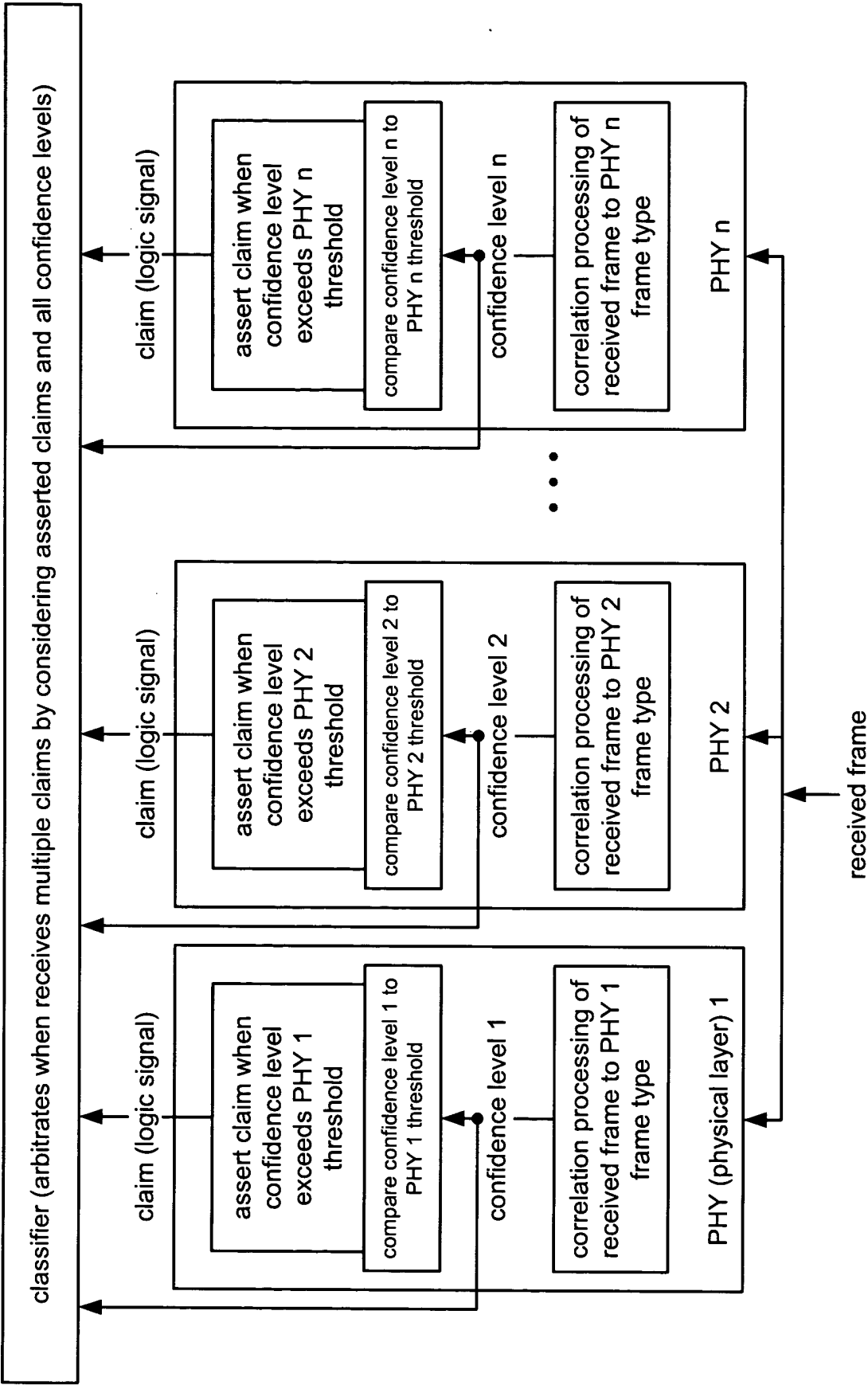


WLAN (Wireless Local Area Network) interactive device including classifier

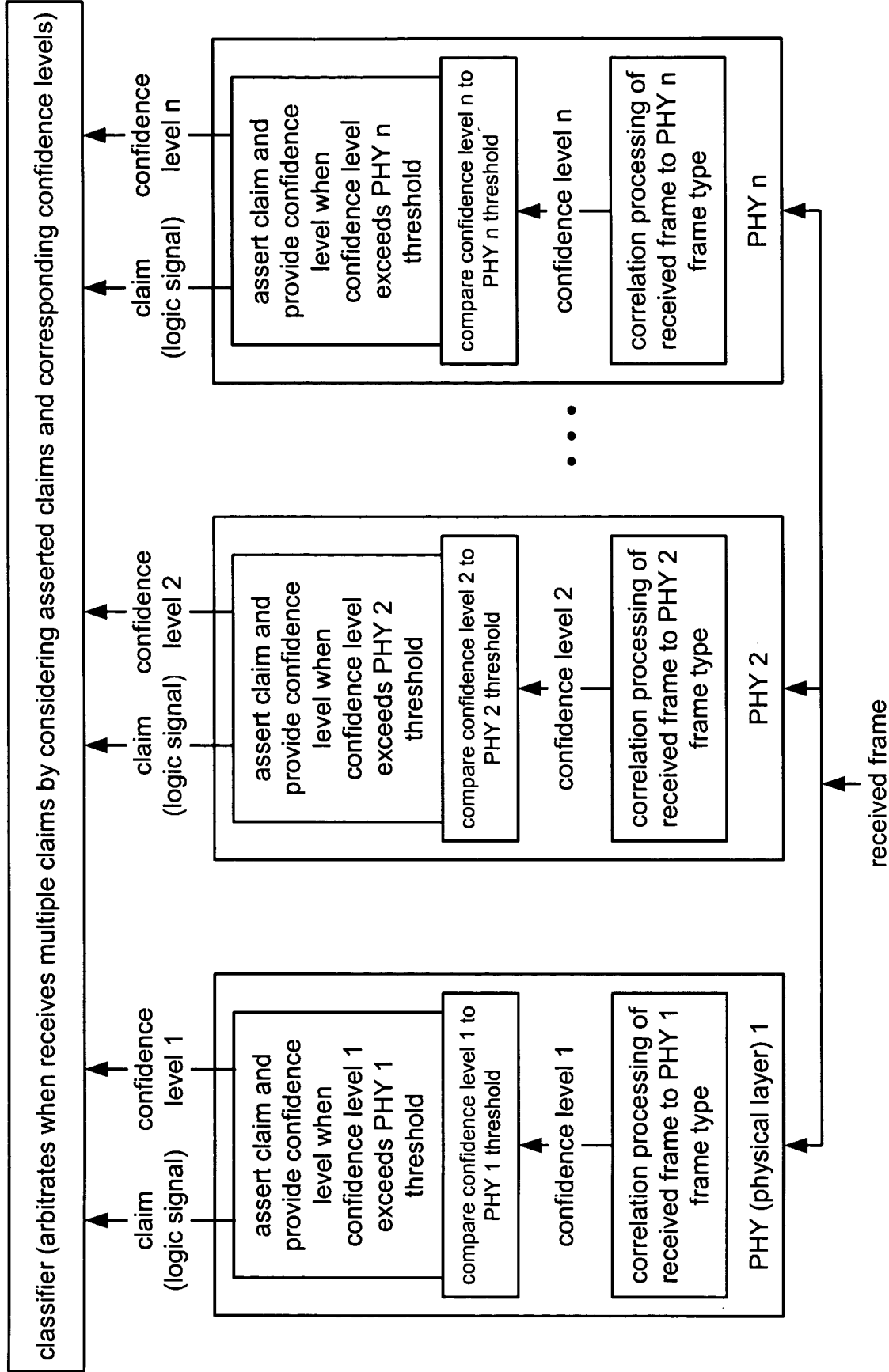
Fig. 4



PHY (physical layer) functionality to determine whether to assert claims to classifier
Fig. 5



PHY functionality to determine whether to assert claims (while always providing confidence levels) to classifier
Fig. 6



PHY functionality to determine whether to assert claims and whether to provide confidence levels to classifier

Fig. 7

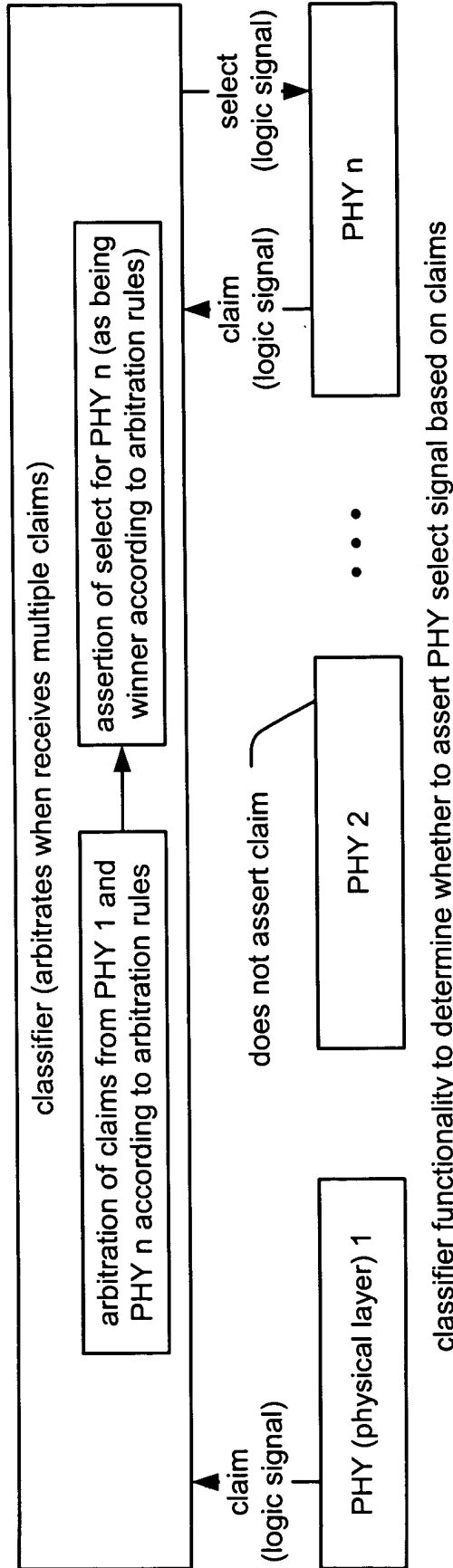


Fig. 8A

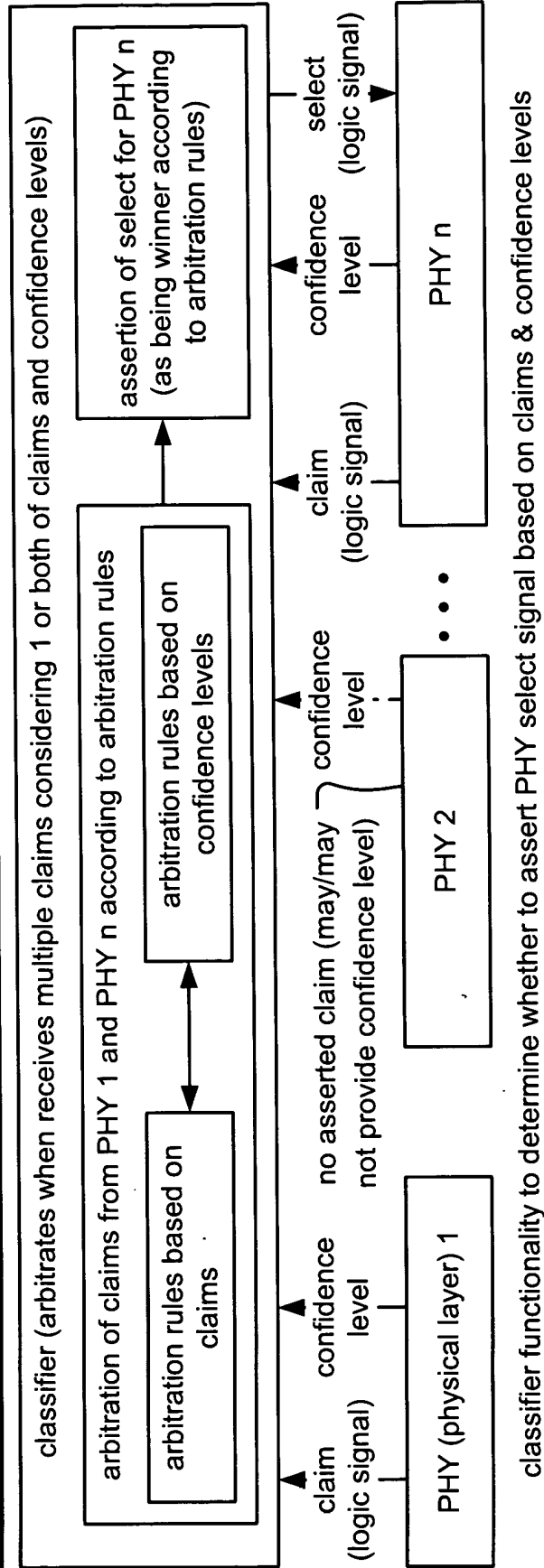
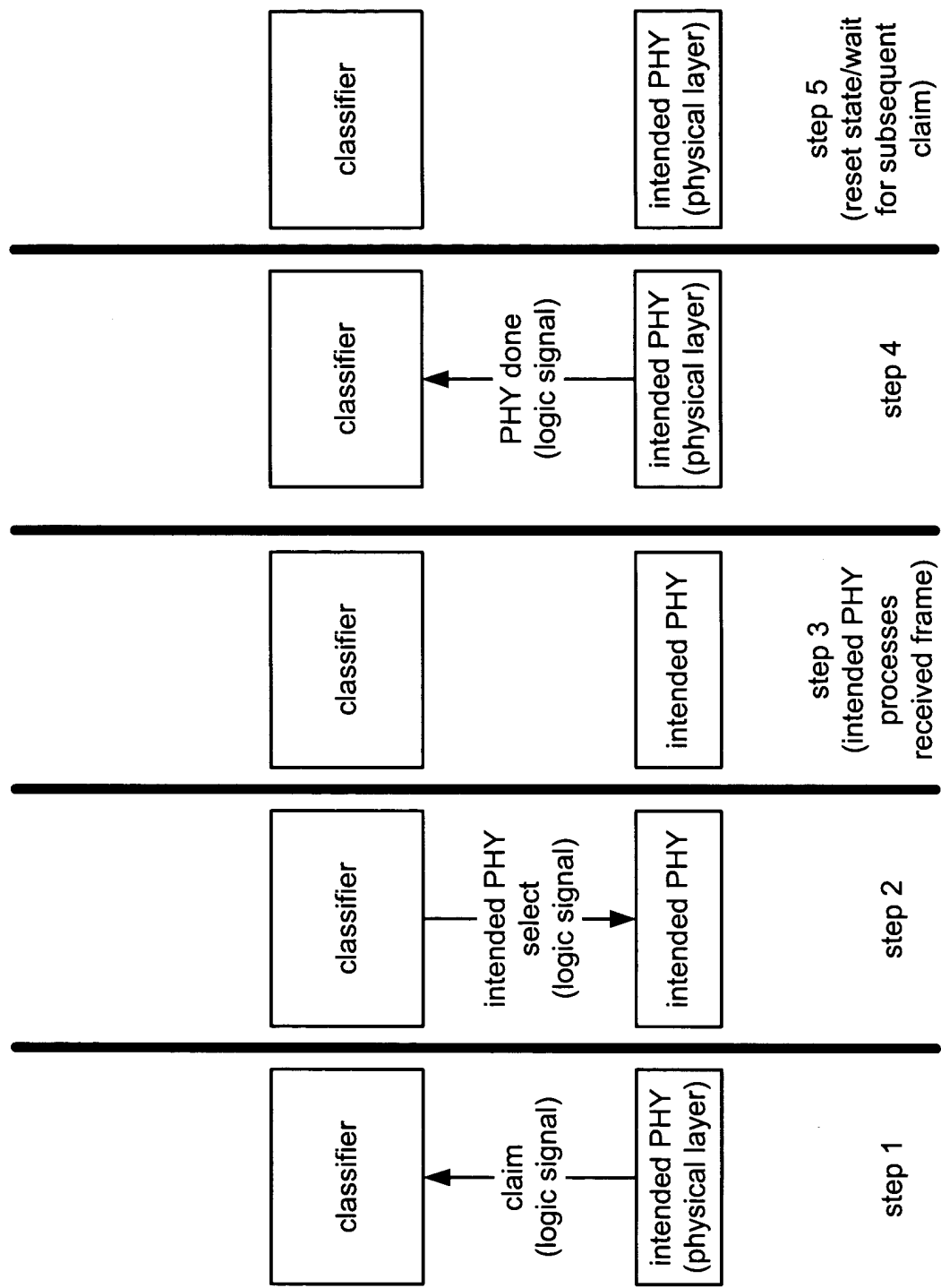
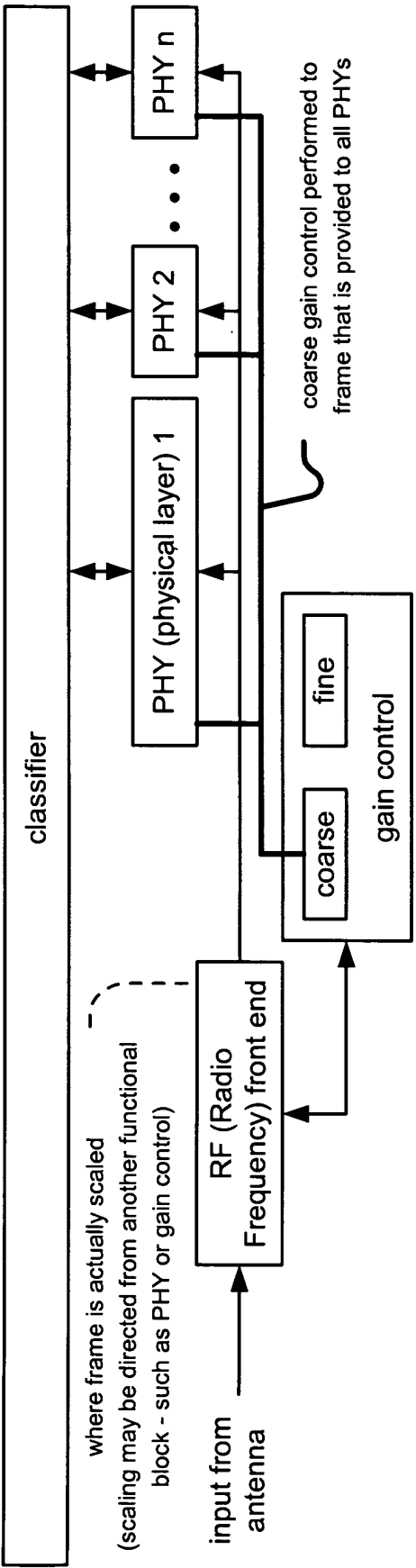


Fig. 8B

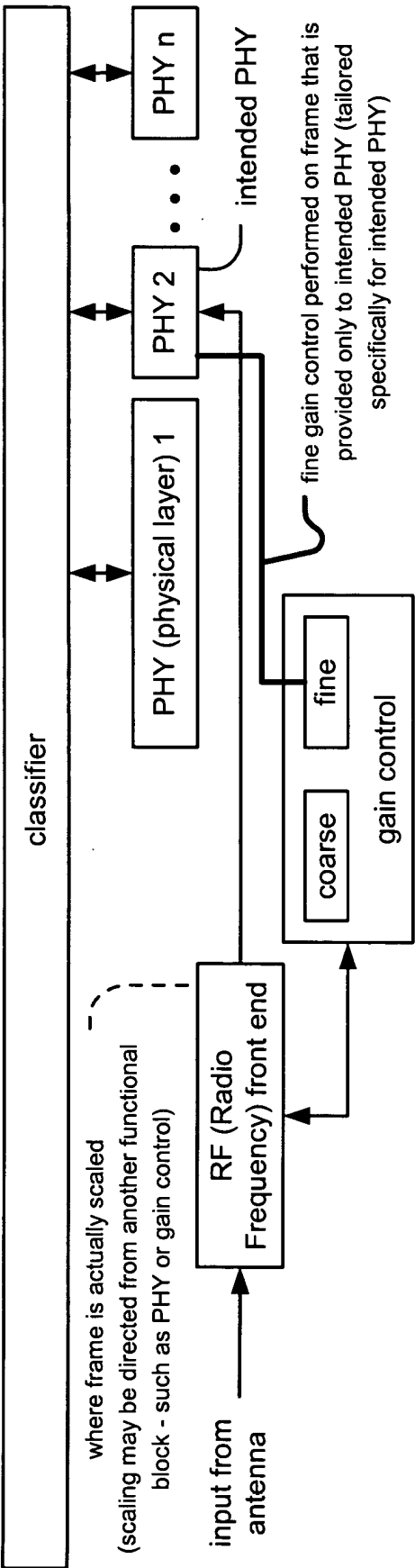


classifier/PHY functionality as a function of steps (shown with respect to intended PHY/classifier interface)

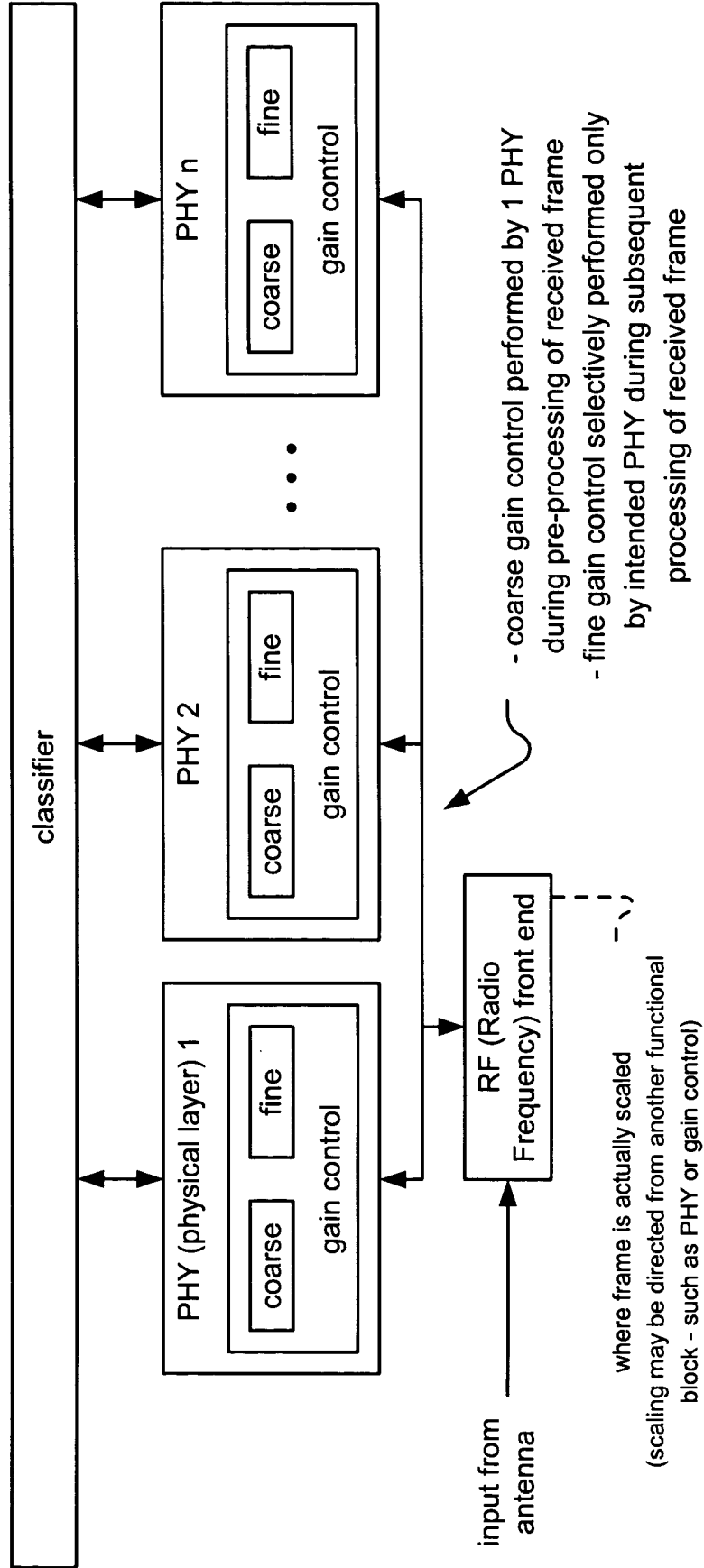
Fig. 9



gain control functionality (during pre-processing of received frame by all PHYs)
Fig. 10A

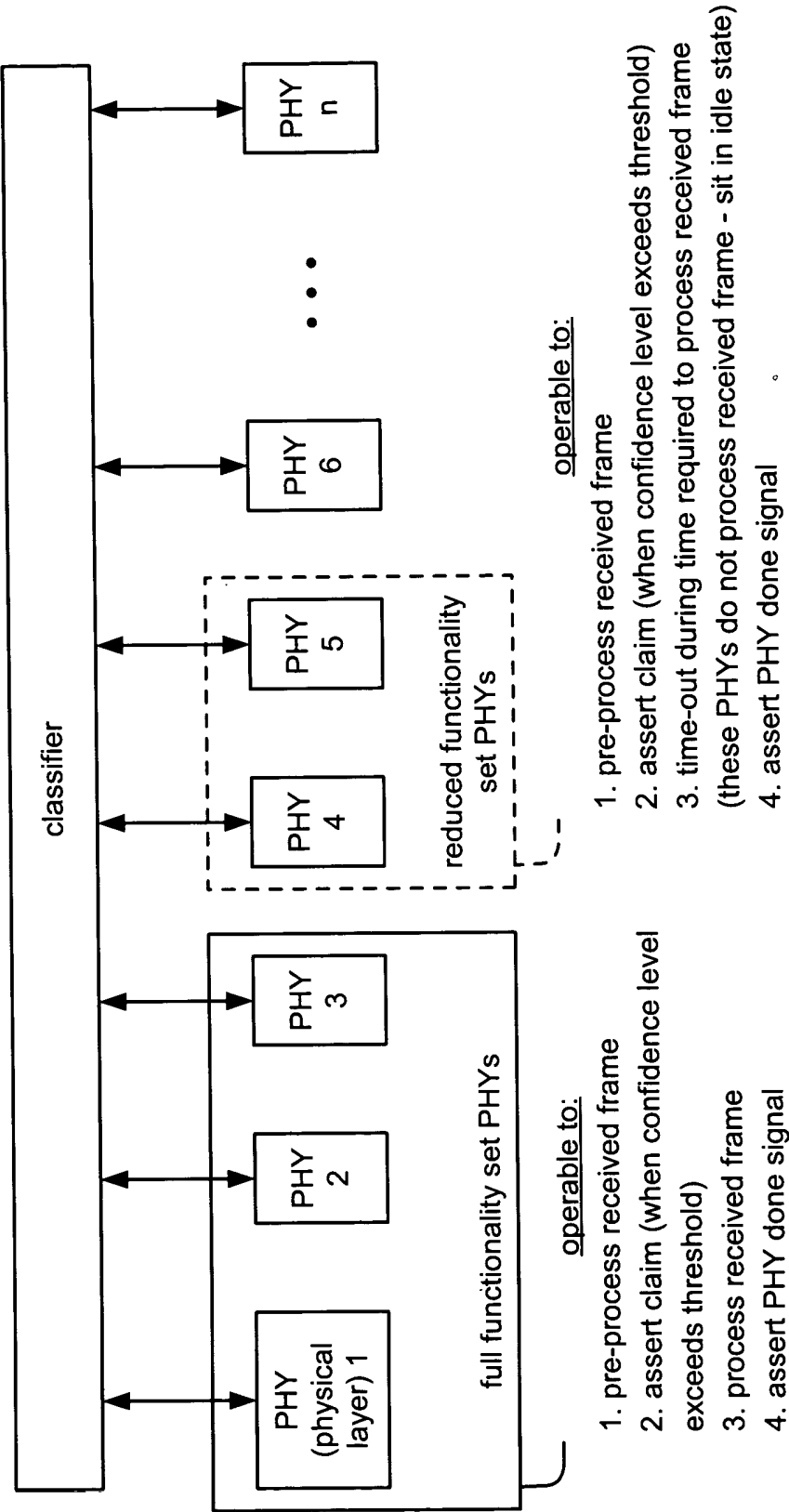


gain control functionality (during processing of received frame only by intended PHY - shown as being PHY 2)
Fig. 10B



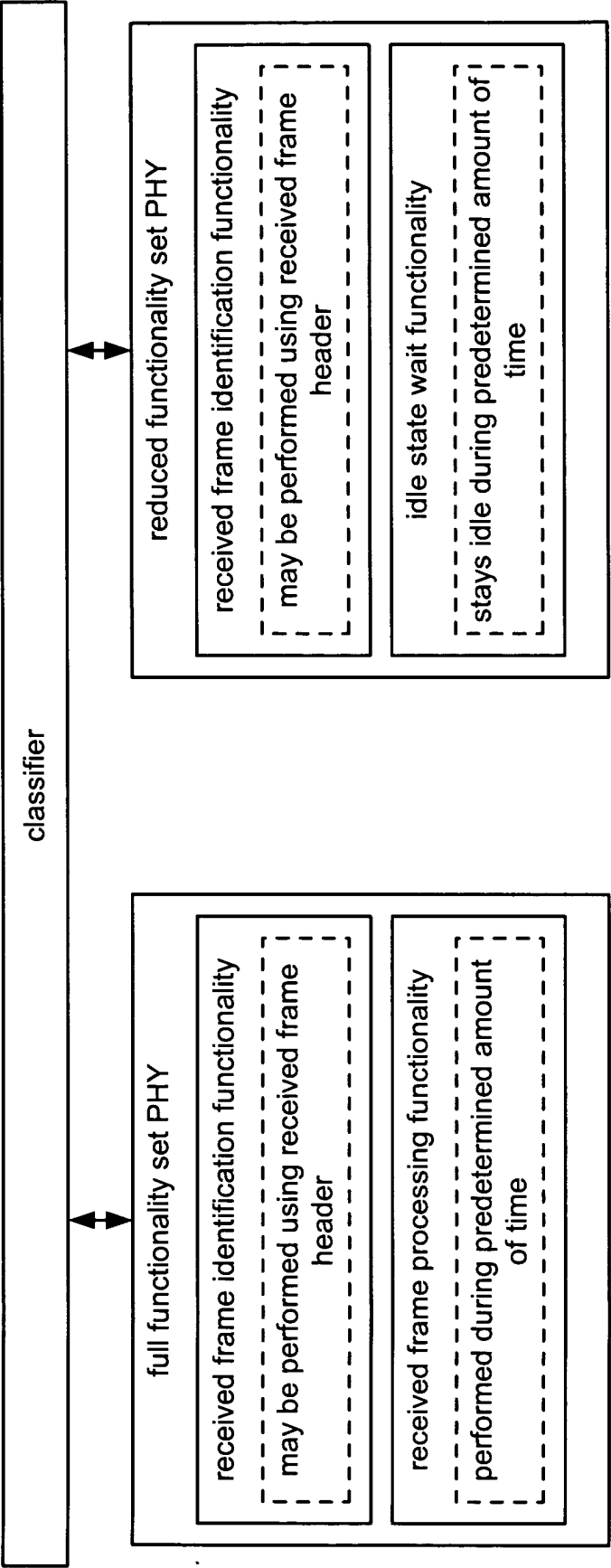
gain control functionality (as controlled individually within respective PHYs)

Fig. 11



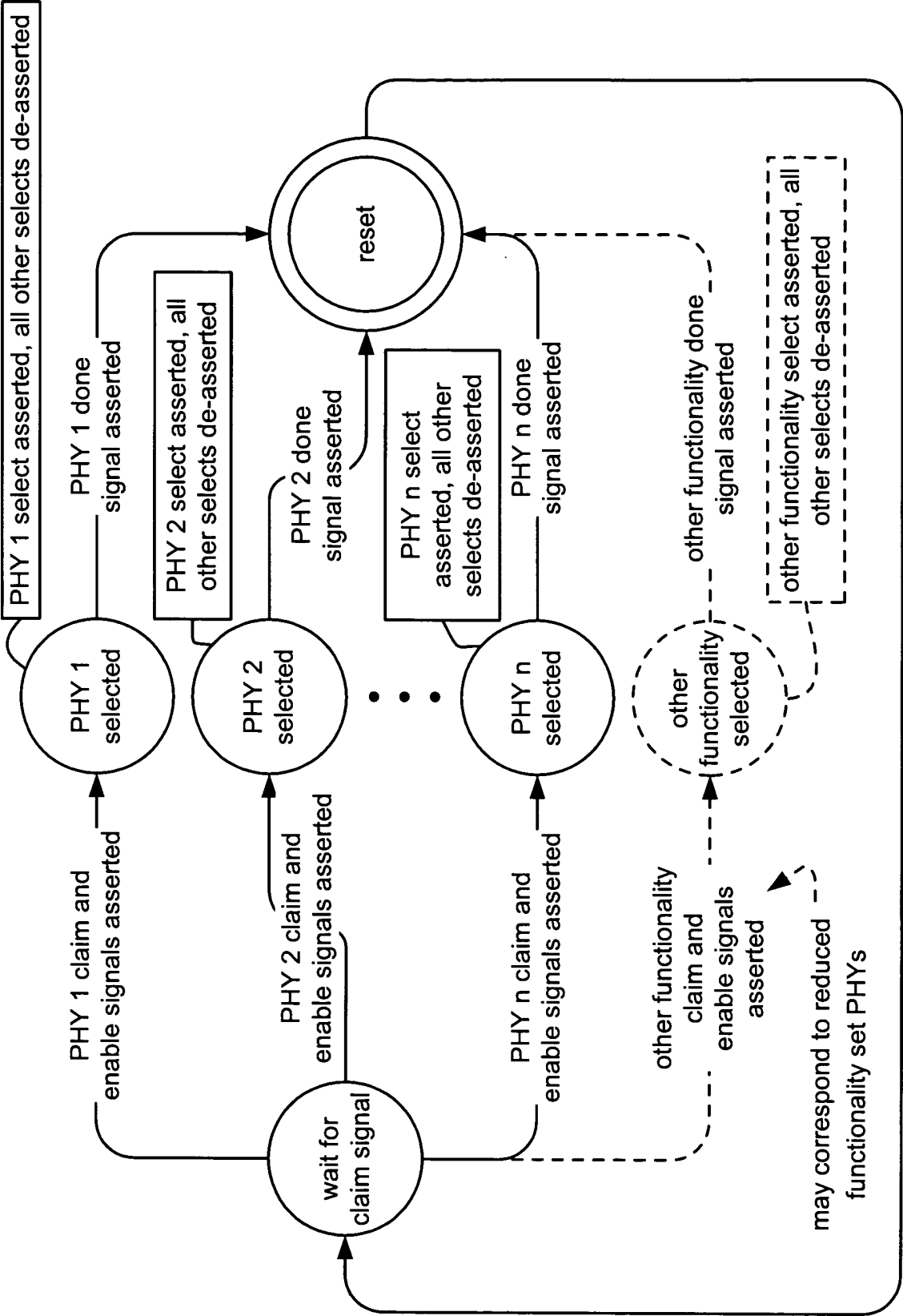
reduced functionality set PHYs implemented within WLAN interactive device

Fig. 12



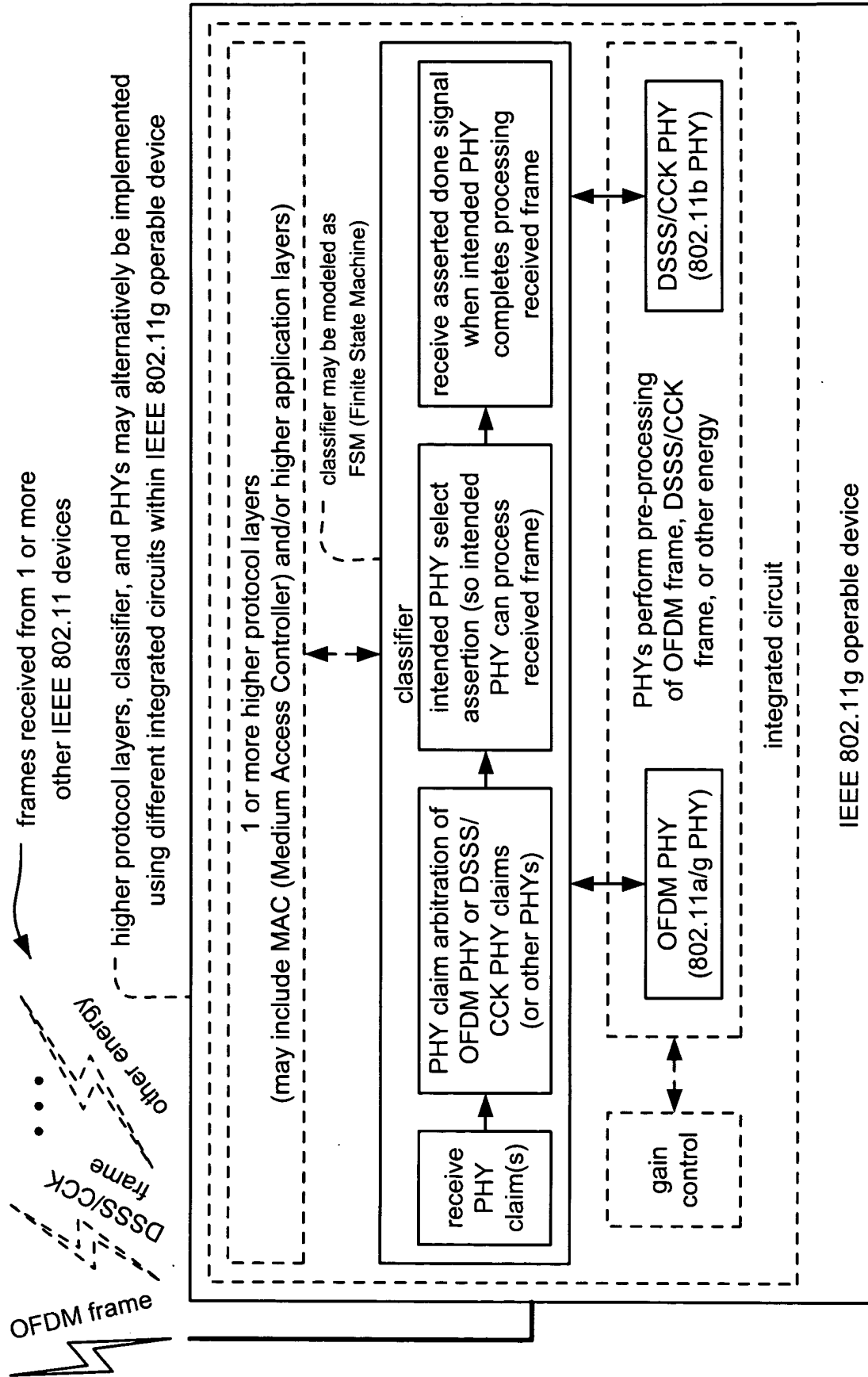
ful functionality set PHY and reduced functionality set PHY implemented within WLAN interactive device

Fig. 13



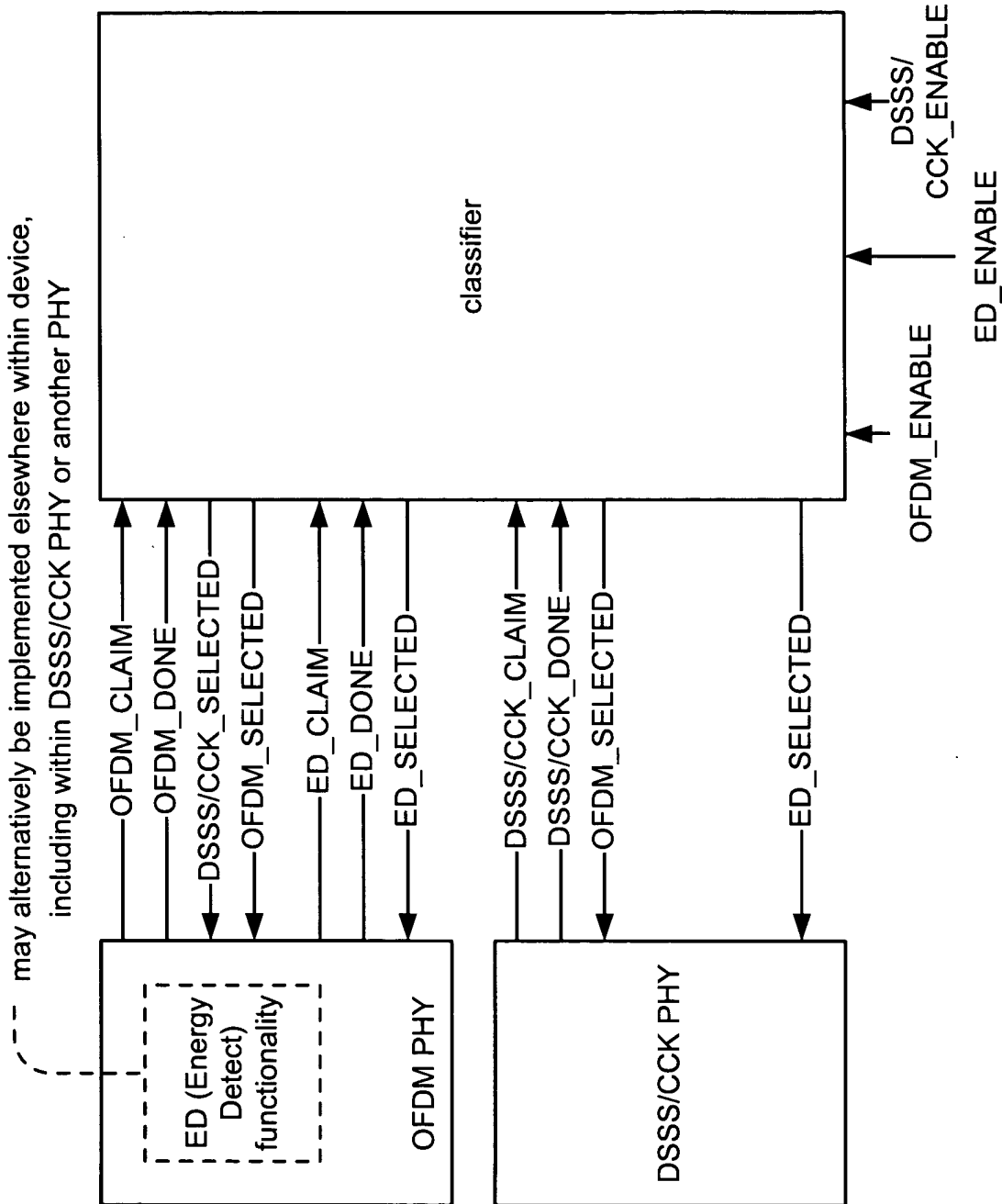
classifier state diagram

Fig. 14



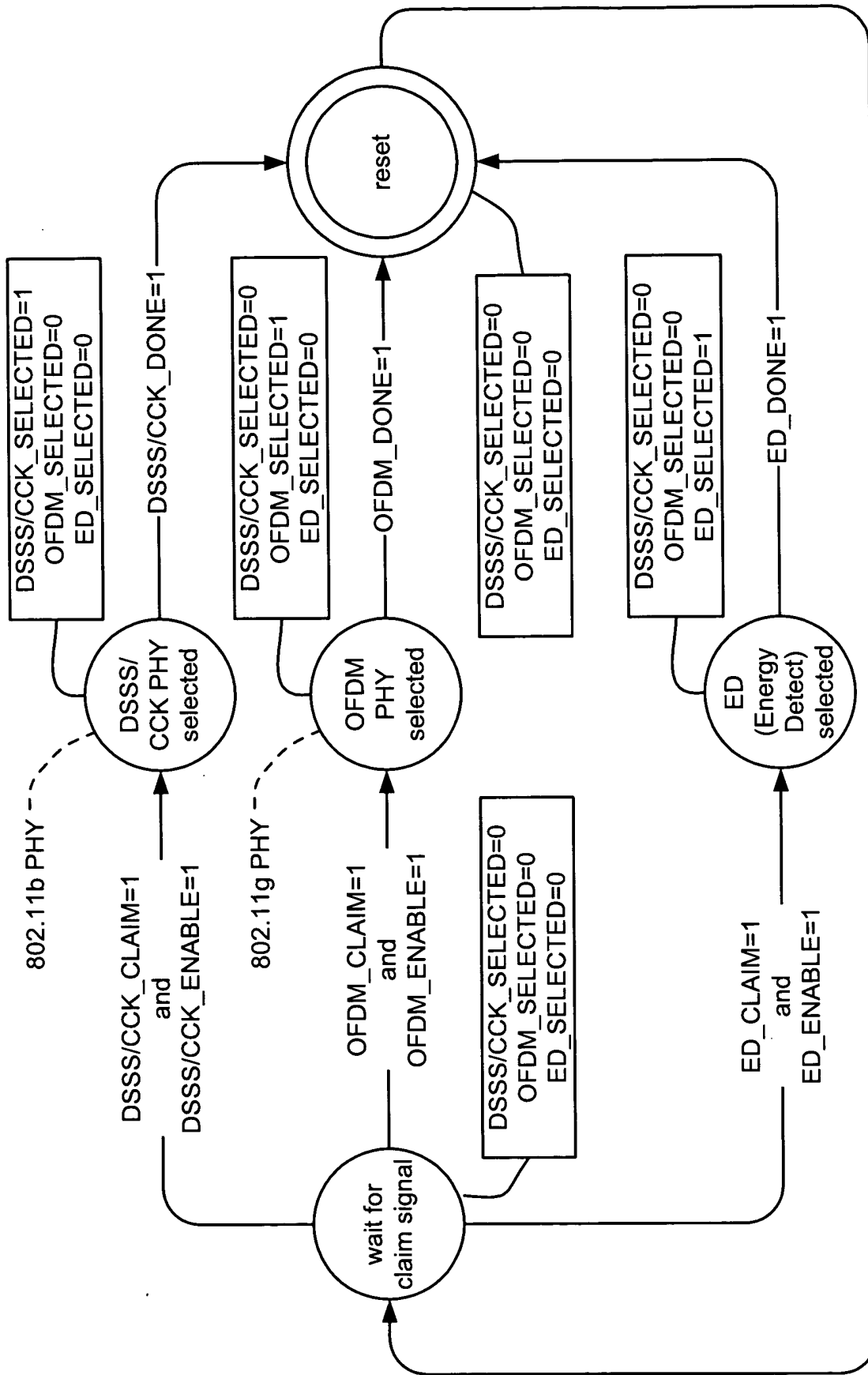
PHY (physical layer)/classifier interface within IEEE 802.11g operable device

Fig. 15



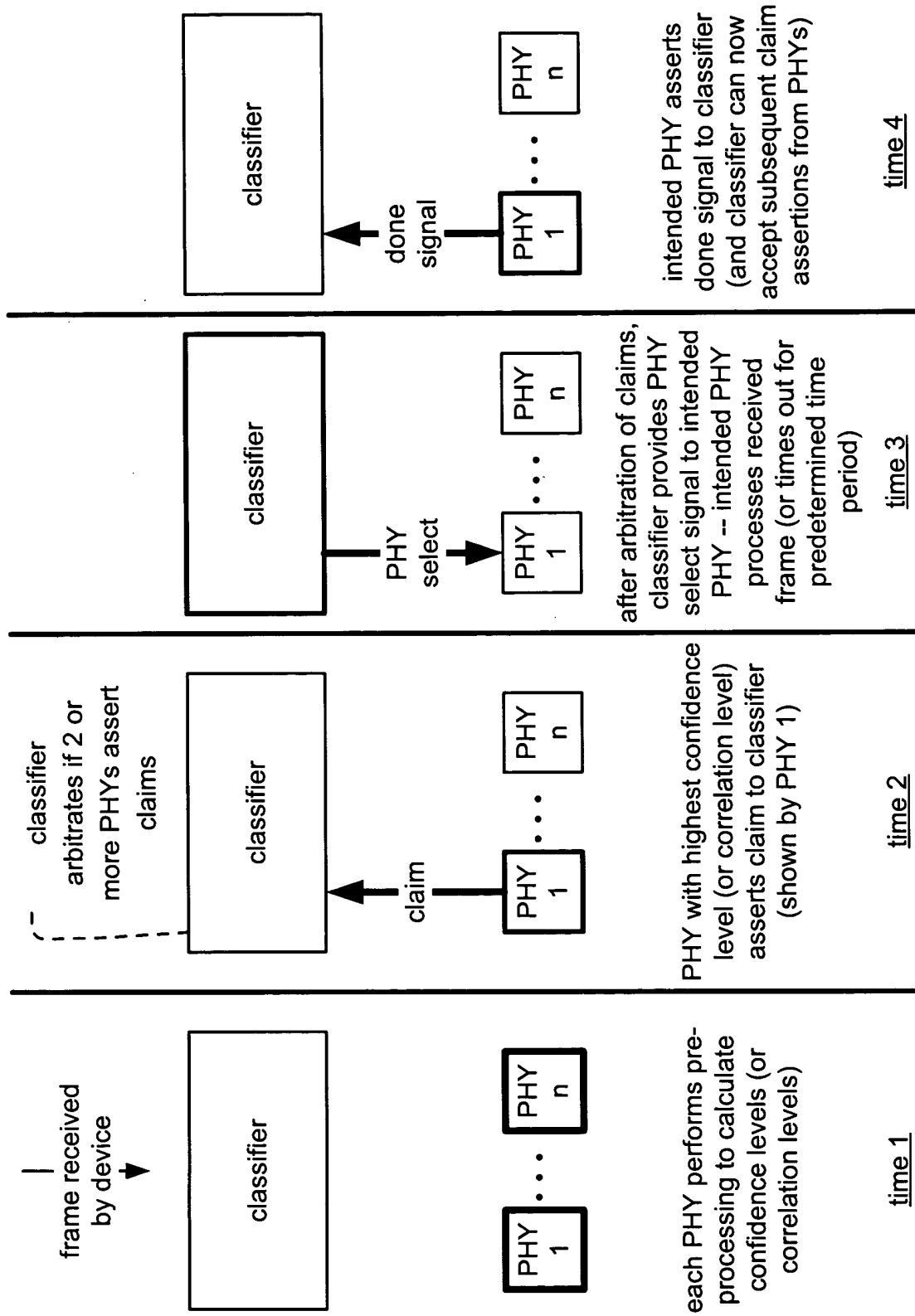
PHY (physical layer)/classifier interface for IEEE 802.11g operable device

Fig. 16



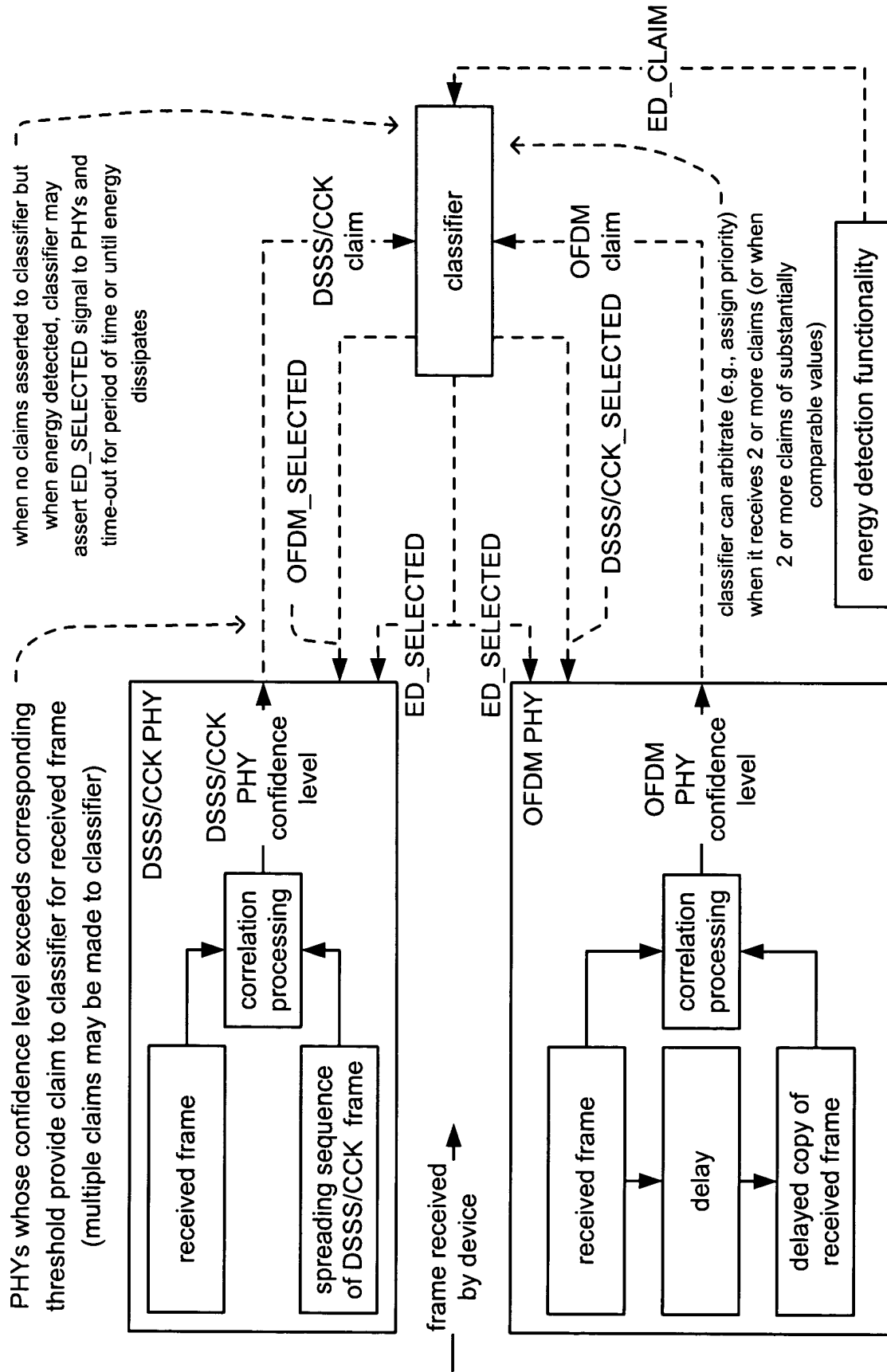
classifier state diagram for IEEE 802.11g operable device

Fig. 17



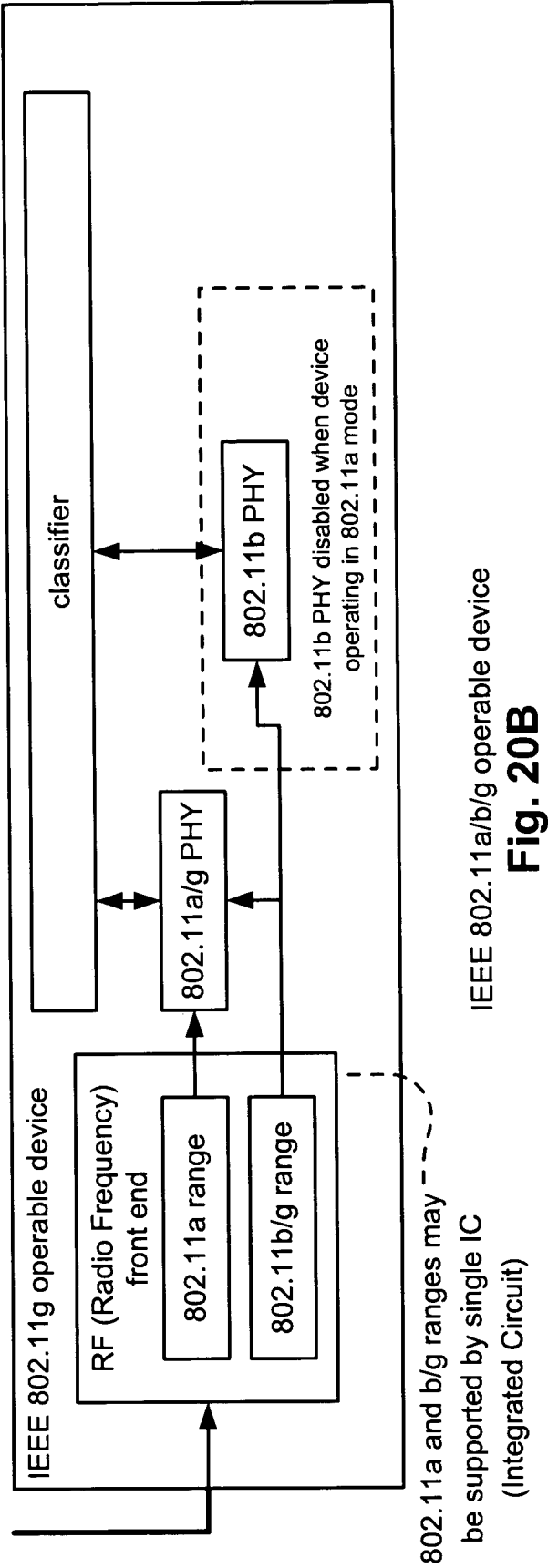
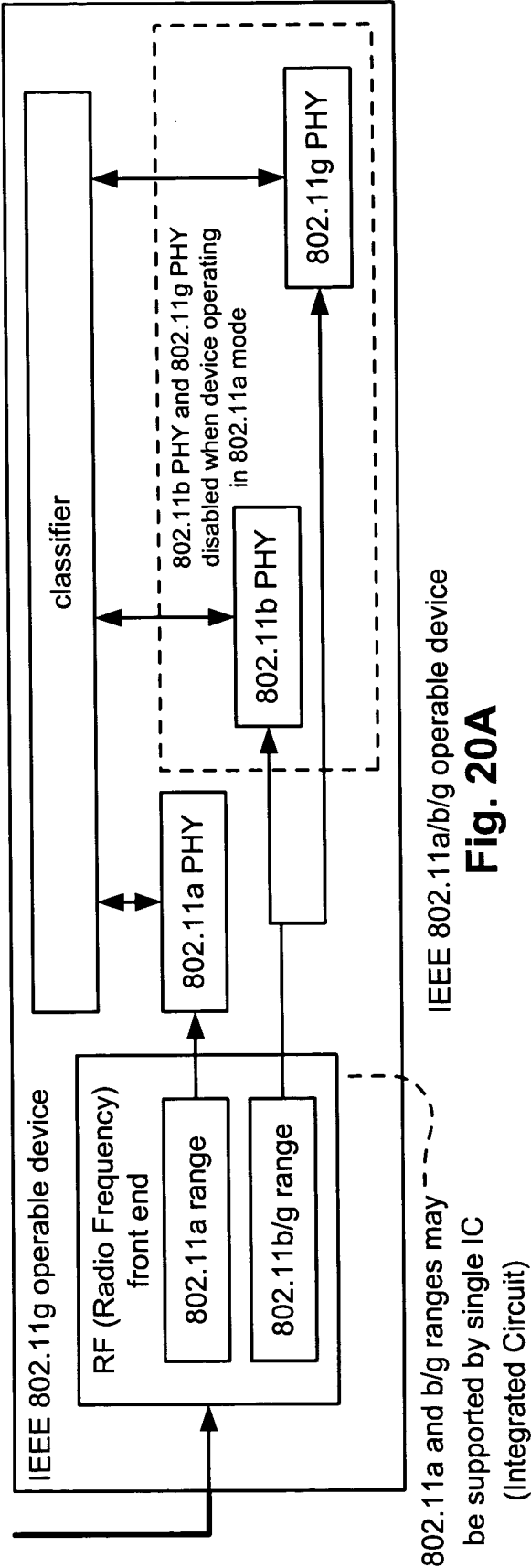
PHY (physical layer)/classifier interface interaction as function of time

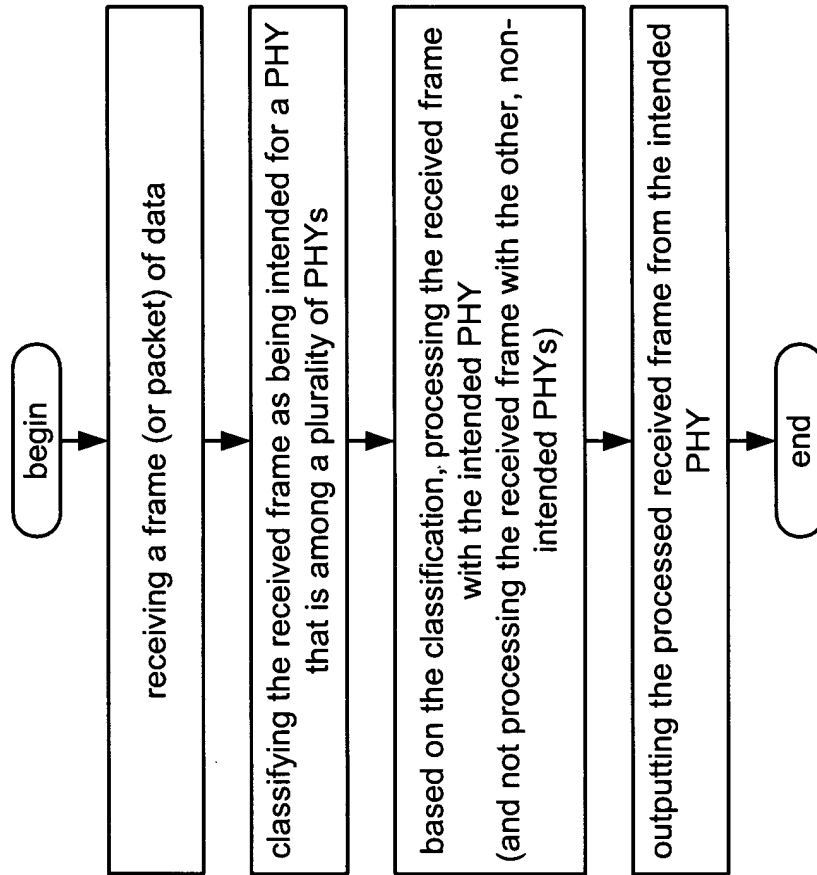
Fig. 18



DSSS/CCK and OFDM PHY correlation pre-processing to calculate confidence levels

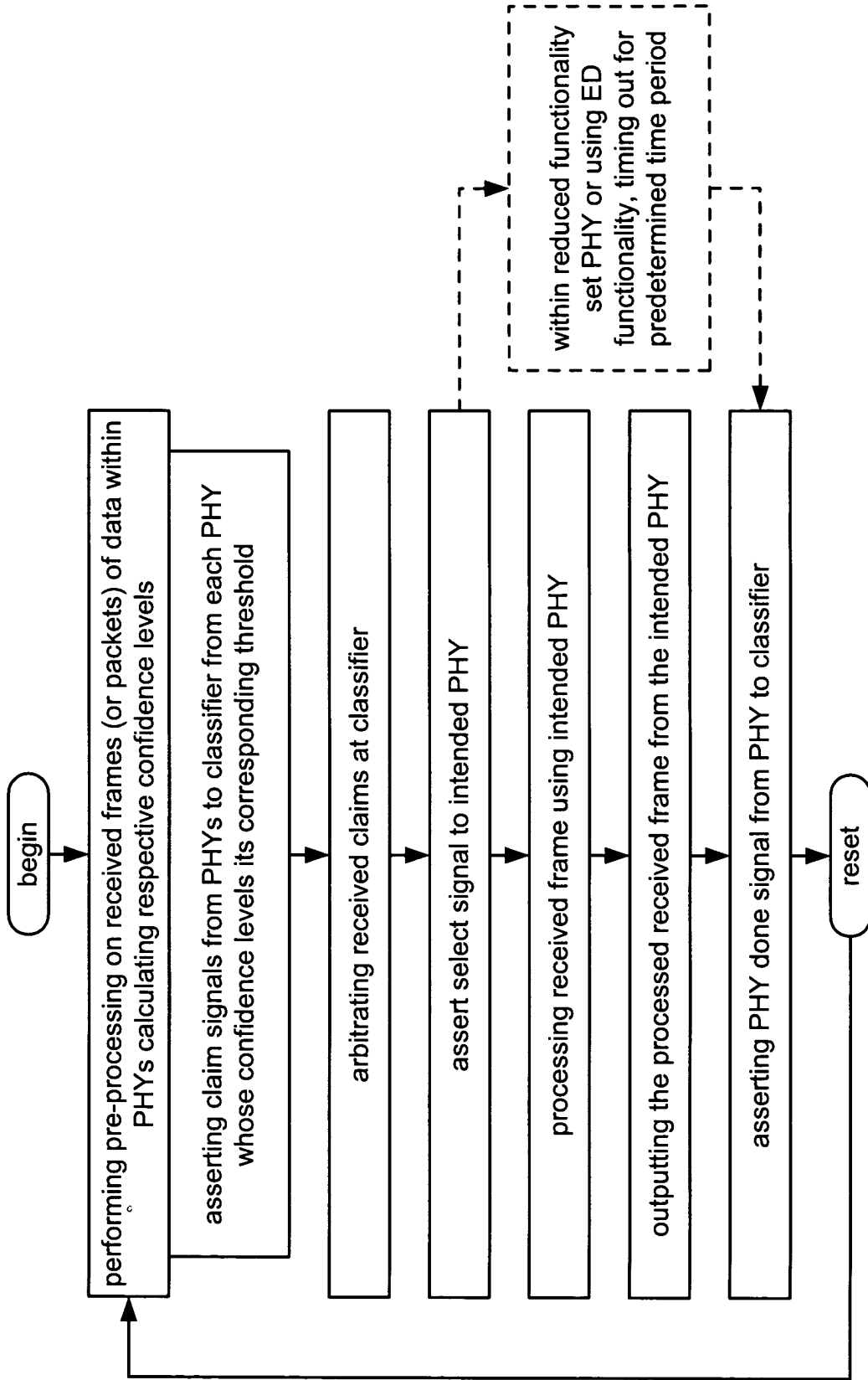
Fig. 19





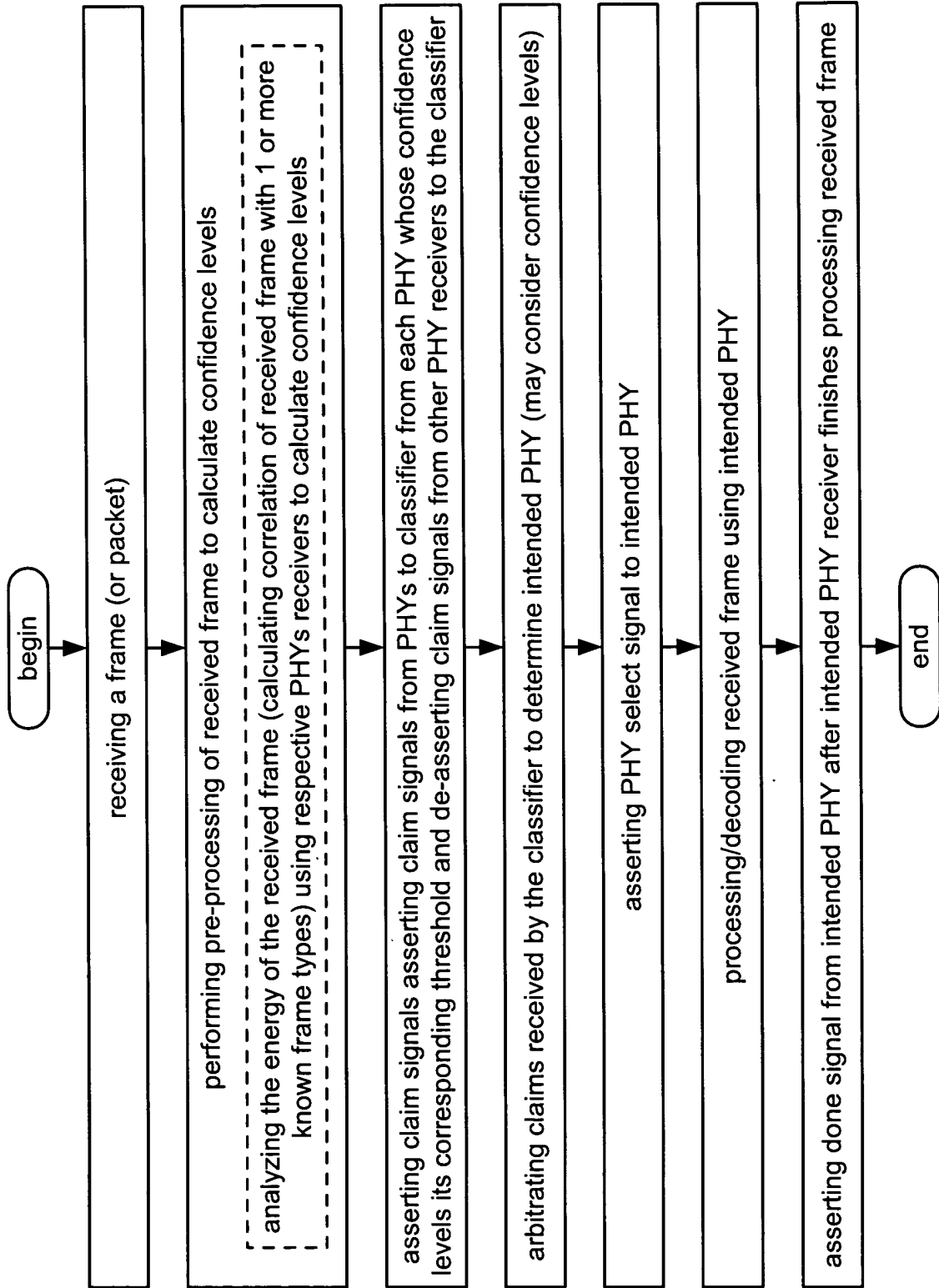
classification method

Fig. 21



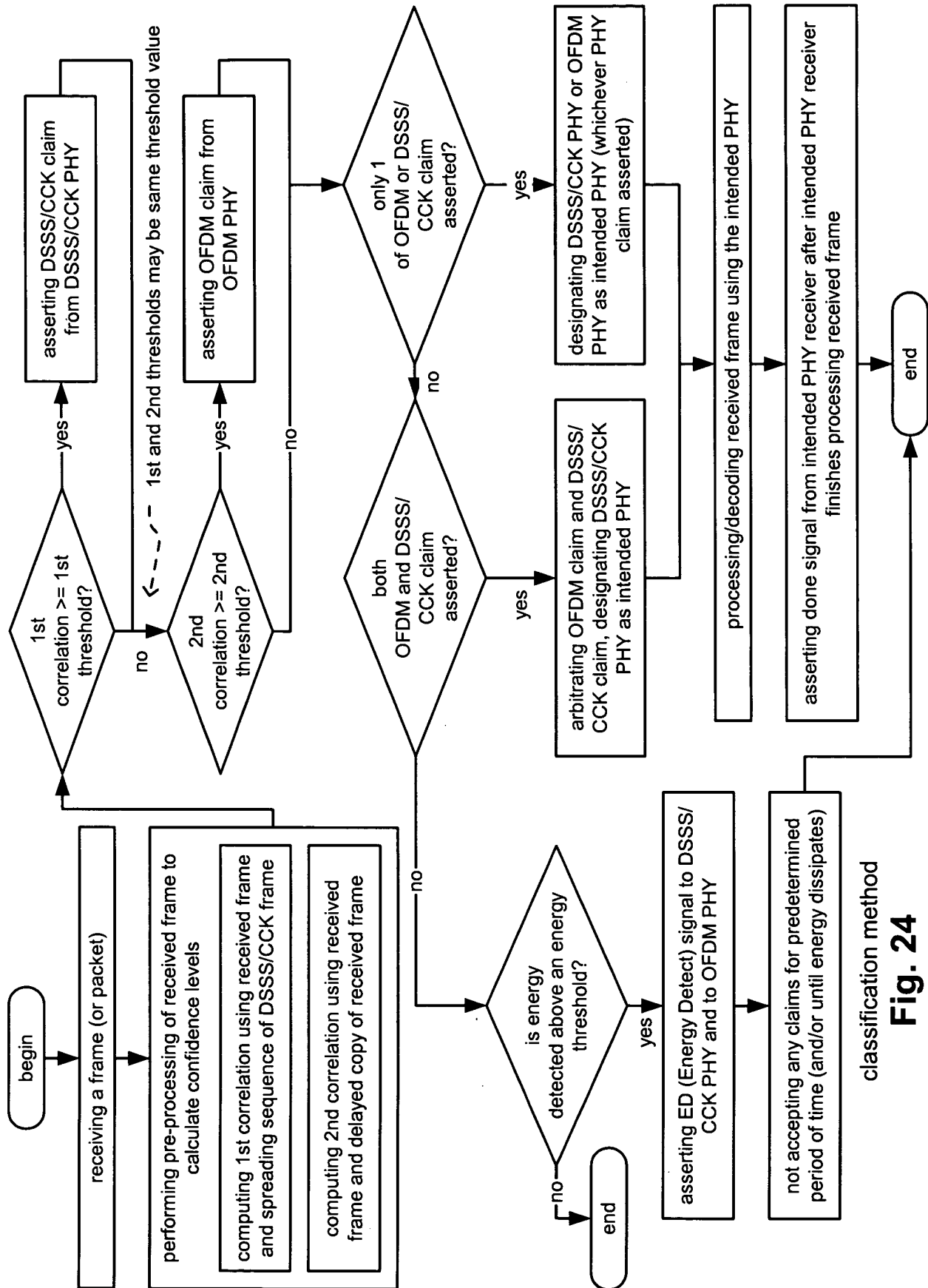
classification method

Fig. 22



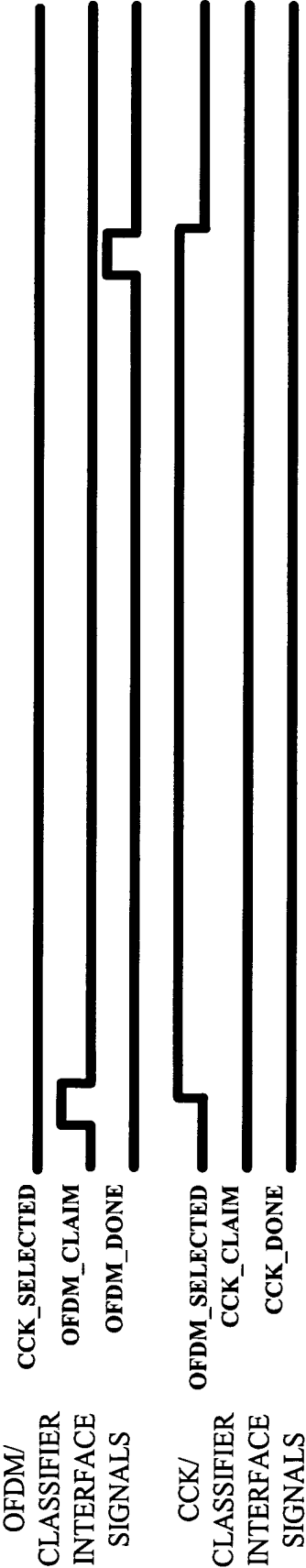
classification method

Fig. 23



classification method

Fig. 24



timing diagram for IEEE 802.11g operable device (showing example of good OFDM packet/frame)

Fig. 25